



# Universidad Simón Bolívar





**UNIVERSIDAD SIMÓN BOLÍVAR**

**FOUNDED IN 1969**

**ENRIQUE PLANCHART**  
RECTOR

**LUIS HOLDER**  
ACADEMIC VICE RECTOR

**MARIELLA AZZATO**  
ADMINISTRATIVE VICE RECTOR

**CRISTIAN PUIG**  
SECRETARY

**ALBERTO ARMENGOL**  
DIRECTOR OF THE LITORAL CAMPUS





## History, location and setting



Founded on July 1967, USB started academic activities on January 19, 1970 in its main campus, Sartenejas (Caracas)

On February 12, 1977 campus El Litoral, located on the central coast, was inaugurated

Both campuses are set in sub-urban areas, with extensive forests and parks (over 260 hectares of land, more than 20m<sup>2</sup> per person)

Until July 2019, the university has awarded around 36000 undergraduate degrees and about 5000 graduate degrees

USB graduates enjoy high employability around the world



# studies studies

The university offers:

- Associated degrees (3 years)
- Undergraduate degrees (5 years)
- Master of Science degrees (2-3 years)
- Specialization degrees (2-3 years)
- Doctorate degrees (4-5 years)
- Continuing education

The academic year divided in three periods of 12 weeks each:

- September-December
- January-March
- April-July
- During August, summer school is offered





## studies

**Study programs for all majors include:**

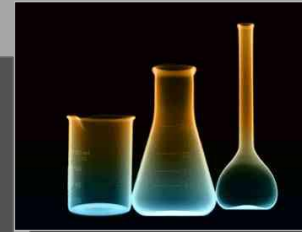
- Theory lectures
- Practice sessions
- Laboratories
- General Studies
- Internship or thesis
- Community Service

**Laboratories** are an essential part of the curricula, and aim to provide students not only with the theoretical knowledge, but also with the practical experience. Project Based Learning is a common practice.

**General Studies** comprise courses in general areas of knowledge and are aimed to provide students with the necessary soft skills to become responsible citizens, with an ethical, analytical and conscious attitude towards society, environment and culture.

General Studies are compulsory, comprise around 20% of the total credit units, and represent a distinctive feature of our graduates.

# undergraduate degrees



## **BACHELOR DEGREES IN ENGINEERING**

Computer  
Materials  
Electrical  
Electronical  
Geophysical  
Mechanical  
Production  
Chemical  
Telecommunications  
Maintenance

## **BACHELOR DEGREES IN BASIC SCIENCES**

Biology  
Physics  
Mathematics  
Chemistry

## **BACHELOR DEGREES IN SOCIAL SCIENCES**

Architecture  
Urban planning  
Hospitality  
International Trade  
Liberal Arts  
Economy

## **ASSOCIATED DEGREES**

Tourism Administration  
Hotel Administration  
Transport Administration  
Customs Administration  
Business Organization  
International Trade  
Electrical Technology  
Electronic Technology  
Mechanical Technology  
Aeronautical Maintenance

# graduate degrees

## Master Degrees



### ENGINEERING AND TECHNOLOGY

### SOCIAL SCIENCES

### BASIC AND APPLIED SCIENCES

### URBAN PLANNING

### BUSSINES

Biochemistry  
Earth Science  
Mechanical Eng  
Systems Eng  
Materials Eng  
Electronic Eng  
Electrical Eng  
Chemical Eng  
Statistics

Philosophy  
Psychology  
Political  
Sciences  
Applied  
Linguistics  
Music  
Education  
Environment  
and  
Development

Mathematics  
Biological  
Sciences  
Physics  
Nutrition  
Food Science  
Computer  
Science

Urban Transport

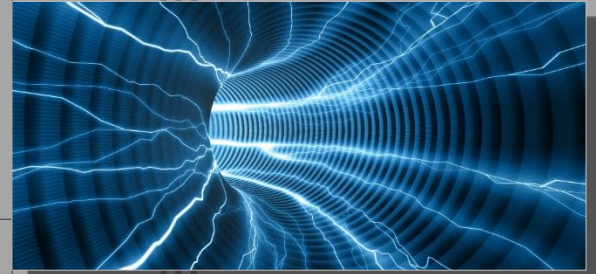
Business  
Administration

Over 30 Specializations



# graduate studies

## Doctorates



### ENGINEERING AND TECHNOLOG

Engineering

### SOCIAL SCIENCES

Philosophy  
Latin-American  
Literature  
Political  
Sciences  
Sustainable  
Development  
Social Sciences  
and Humanities

### BASIC AND APPLIED SCIENCES

Mathematics  
Biological  
Sciences  
Physics  
Chemistry  
Nutrition  
Food Science  
Computer  
Science  
Interdisciplinary  
Sciences

### URBAN PLANNING

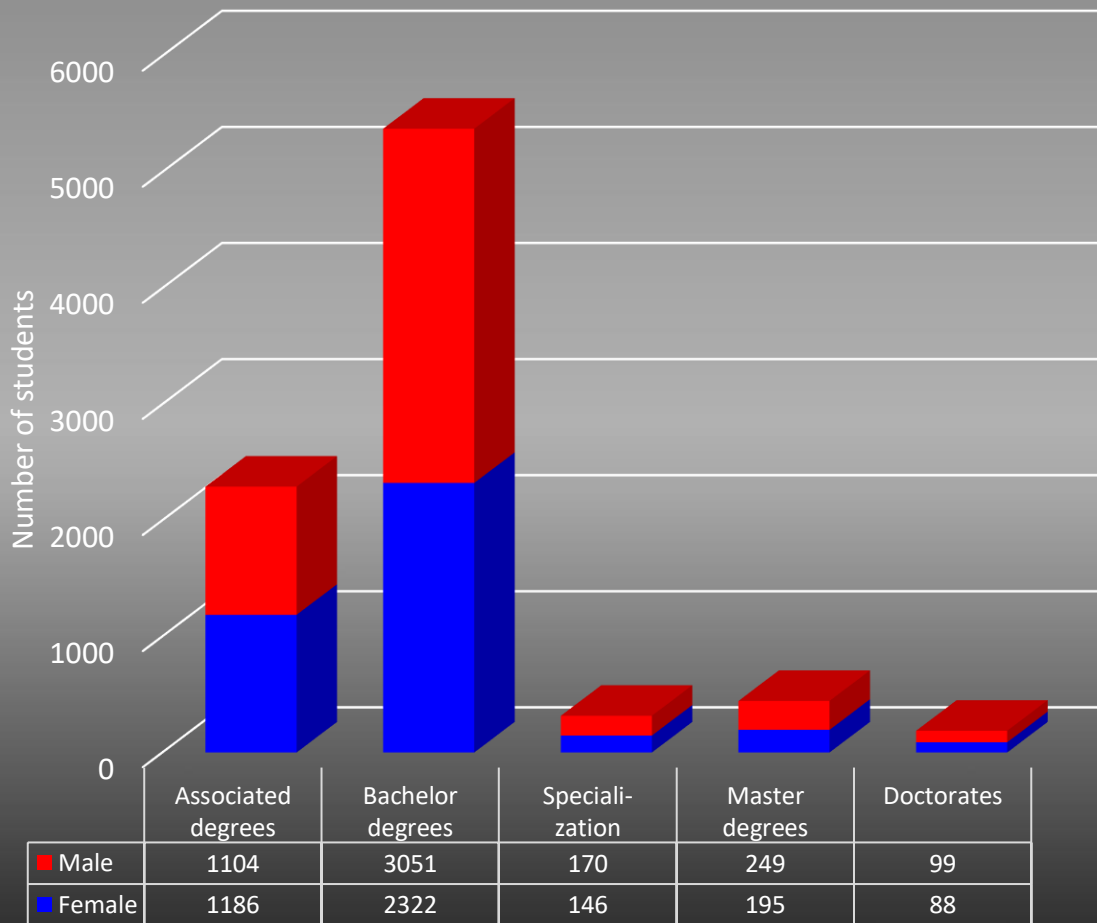
Urban Transport





# Universidad Simón Bolívar is a gender balanced HEI

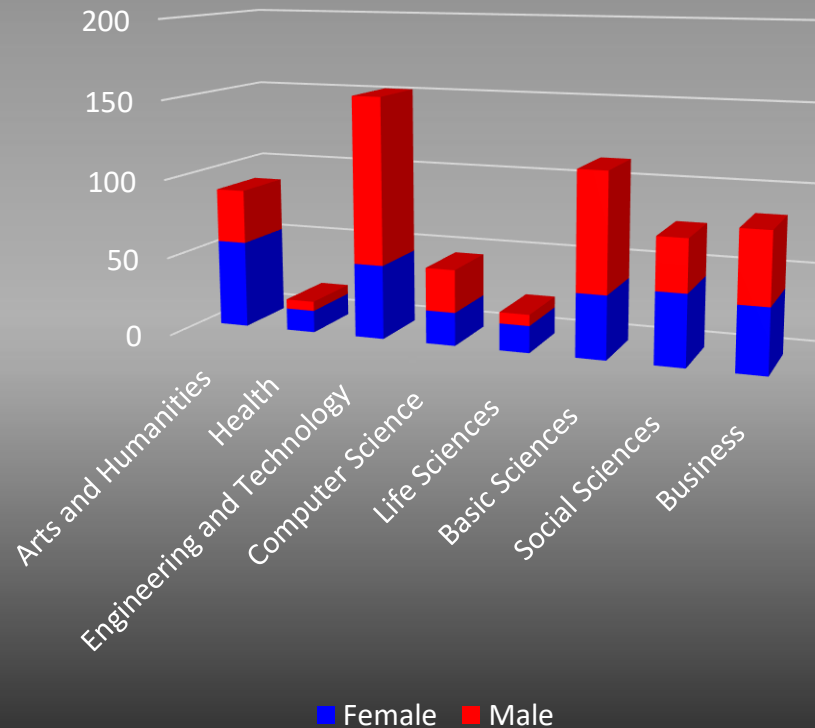
Student distribution



# Faculty

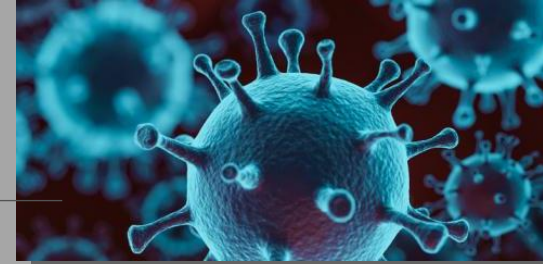
- Total academic faculty staff 613 (2018)
- 54% of full time professors have PhD
- Faculty is gender balanced
- Responsibilities of faculty:
  - Teaching
  - Research and Development
  - University Outreach

Faculty distribution

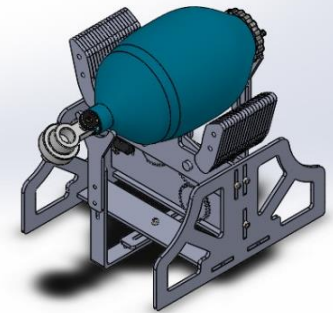


# Social responsibility

## COVID 19 Response



- Design and construction of a respirator prototype, based on the MIT model<sup>a</sup>
- Design and construction of the “Cube de Vie,” a redesign of the “aerosol box” aimed to reduce the health care provider’s risk of infection while working with COVID 19 patients<sup>b</sup>
- Design and construction of electrolytic hypochlorite solution generators, for disinfection purposes
- Distribution of electrolytic hypochlorite generators to 12 health care institutions
- Donation of hypochlorite solutions to public health care institutions



<sup>a</sup> Project developed in cooperation with Clínica Metrolopitana

<sup>b</sup> Project developed with cooperation of Hospital de Clínicas Caracas



# internationalization



2001: Creation of  
the International  
Relations and  
Cooperation Office

Since 2001:  
Successful  
Student Exchange  
Program

Since 2013:  
Efforts towards  
comprehensive  
internationaliza-  
tion

**Vision:**  
**International  
dimension in al  
aspects of  
university life**

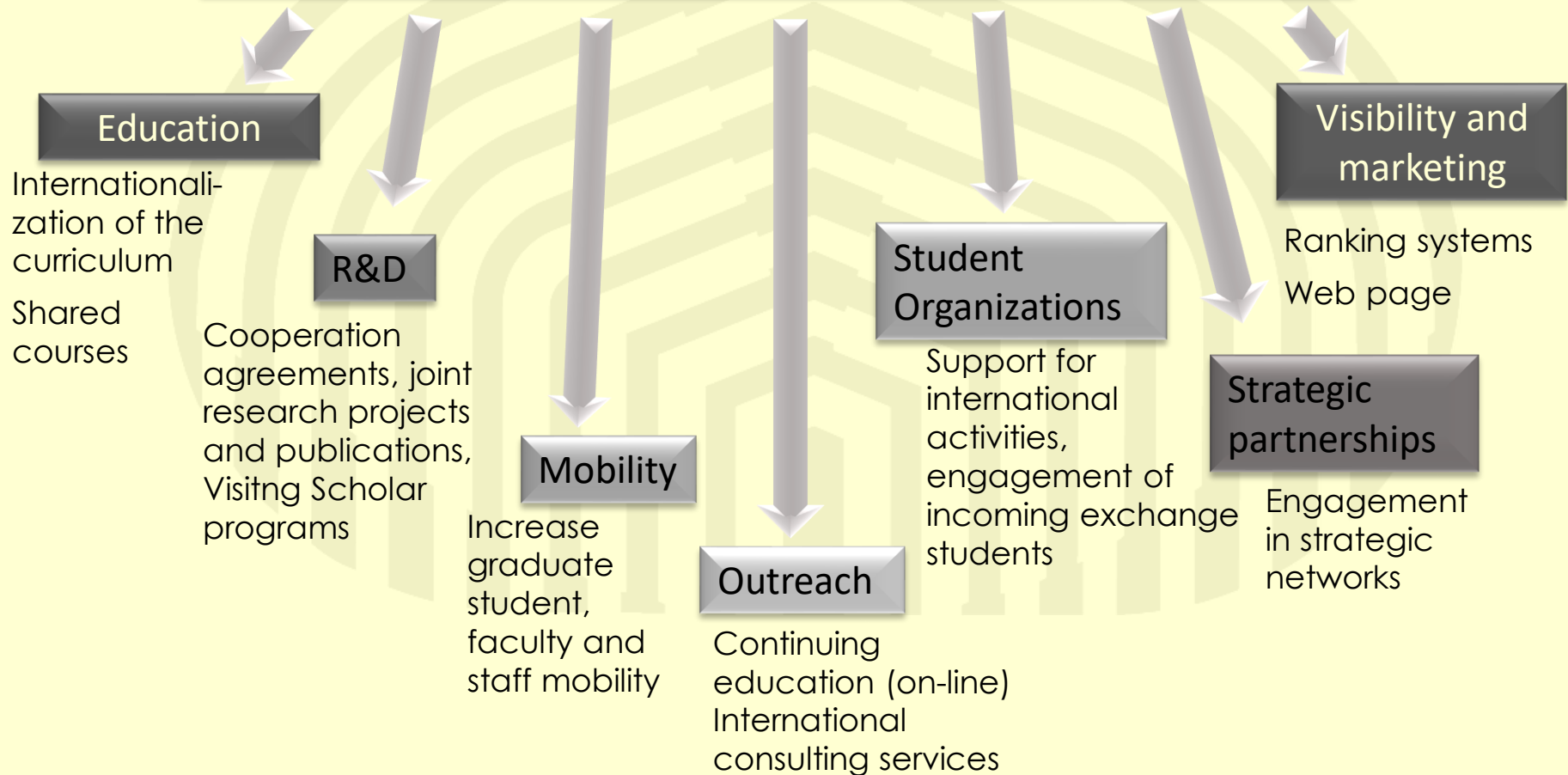
- Cooperation agreements with over 100 universities in more than 25 countries
- Member of 8 international networks
- Participation in several cooperation programs
- Capacity building and mobility projects through ERASMUS+



# internationalization



## Dimensions of the internationalization



# Sustainable campus



- Member of REDVUA and ARIUSA
- Participation in Green metrics
- Extensive recycling program
- Some Smart building implementation
- Paperless policy
- Electronic signature policy
- Free shuttle service for students, faculty and staff
- Program for promotion of bicycle use
- Over 150 courses related to environment and sustainable development offered
- Forest protection program
- Community service projects related to environment and sustainable development
- Five student organizations related to environment and sustainable development



Red Venezolana  
de Universidades  
por el Ambiente

**REDVUA**

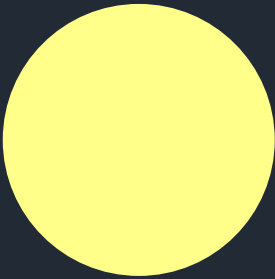




# student activities



Over 50 student organizations are active in the university. The clubs range from sports and recreational activities such as rugby, scuba diving, mountaineering, surf and windsurf, to academic, cultural and scientific interests such as languages, science fiction, music, cinema, theater and astronomy.



## MODEL UNITED NATIONS

USB participates in HMUN, LAMUN and WMUN. Students prepare themselves comprehensively, and have an excellent performance in the competitions

HMUN 2017: Outstanding Large Delegation

LAMUN 2017: Best large Latinamerican Delegation

WMUN Feb. 2017: Best large Delegation



## F-SAE USB PROJECT

The Society of Automotive Engineers (SAE), holds an annual competition for college students which consists of designing and building formula cars following a set of rules.

Best performance achieved in 2006: place 24 among 120 universities.

# student activities

Over 50 active student organizations





<https://www.youtube.com/watch?v=iqo9142xU3Q>